

Claims

1. A valve (1) for controlling fluids, having a valve housing (10), which has an actuator chamber (11) and a laterally located inlet bore (13) that communicates with a high-pressure inlet (12), and the actuator chamber (11) has an actuator (30) with a die (31) and an actuator cap (32), and the actuator chamber (11) has a conical seal, which is embodied by means of a conical face (14) on the end of the actuator chamber (11) and a corresponding annular sealing face (33) on the actuator cap (32), and with the conical seal a cable outlet (17) can be sealed off, characterized in that the actuator chamber (11) has at least one additional inlet bore (13).
2. The valve (1) in accordance with claim 1, characterized in that the inlet bores (13) are located symmetrically around the longitudinal axis of the actuator (30).
3. The valve (1) in accordance with claim 1 or 2, characterized in that the inlet bores (13) discharge into the actuator chamber (11) in the region of the conical face (14), outside the annular sealing face (33).
4. The valve (1) in accordance with at least one of claims 1 through 3, characterized in that the high-pressure inlet (12) is located centrally, along the center axis of the valve housing (10).

5. The valve (1) in accordance with at least one of claims 1 through 4, characterized in that the inlet bores (13) extend at an acute angle to the center axis of the valve housing (10).

6. The valve (1) in accordance with at least one of claims 1 through 5, characterized in that the cross sections of the inlet bores (13) are reduced compared to the cross section of an individual inlet bore (13).

7. The valve (1) in accordance with at least one of claims 1 through 6, characterized in that a cross-sectional enlargement (18) is located between the inlet bores (13) and the high-pressure inlet (12).

8. The valve (1) in accordance with at least one of claims 1 through 7, characterized in that the actuator (30) is embodied as a piezoelectric actuator unit.